

WHAT IS CLAIMED IS:

1 1. A computer implemented method of activating a requested processing component
2 initiated by a calling component within a local computing system having one or more
3 applications, the method comprising:
4 determining the identity of the requested processing component, including an identity
5 of a class ID from a request to activate a component initiated by a calling component;
6 obtaining configuration data for the requested component, the configuration data
7 comprises an indication of public-private status for the requested component;
8 if the configuration data indicates that the requested component is a public
9 component, activating an instance of the requested component;
10 if the configuration data indicates that the requested component is a private
11 component, performing the following:
12 determining if the requested component is a member of an application that
13 also includes the calling component as a member; and
14 if the requested component and the calling component are members of the same application,
15 activating an instance of the requested component.

1 2. The method according to claim 1, wherein the identity of the calling component
2 corresponds to an identity obtained from a central directory service.

1 3. The method according to claim 2, wherein the central directory service communicates
2 with the local computer over a communications network.

1 4. The method according to claim 1, wherein the calling component is located on a
2 remote computing system.

1 5. The method according to claim 4, wherein the calling component transmits the
2 request to activate a component to the local computing system across a communications
3 network.

1 6. The method according to claim 5, wherein the communications network is the
2 Internet.

1 7. A computer implemented method of activating a requested processing component
2 initiated by a calling component within a local computing system having one or more
3 applications, the method comprising:
4 determining the identity of the requested processing component, including an identity
5 of a class ID and an identity of an application from a request to activate a component initiated
6 by a calling component;
7 obtaining configuration data for the requested component, the configuration data
8 comprises an indication of public-private status for the requested component;
9 if the configuration data indicates that the requested component is a public
10 component, activating an instance of the requested component;
11 if the configuration data indicates that the requested component is a private
12 component, performing the following:
13 determining if the requested component is a member of an application that
14 also includes the calling component as a member; and

if the requested component and the calling component are members of the same application,
activating an instance of the requested component;

wherein the identity of the calling component corresponds to an identity obtained
from a central directory service; and

the calling component is located on a remote computing system that transmits the
request to activate a component to the local computing system across a communications
network.

8. A computer program data product readable by a computing system and encoding
instructions for activating a requested processing component initiated by a calling component
within a local computing system having one or more applications, the method comprising:

determining the identity of the requested processing component, including an identity
of a class ID and an identity of a partition from a request to activate a component initiated by
a calling component;

obtaining configuration data for the requested component, the configuration data
comprises an indication of public-private status for the requested component;

if the configuration data indicates that the requested component is a public
component, activating an instance of the requested component;

if the configuration data indicates that the requested component is a private
component, performing the following:

determining if the requested component is a member of an application that
also includes the calling component as a member; and

15 if the requested component and the calling component are members of the
16 same application, activating an instance of the requested component.

1 9. The computer data product according to claim 8, wherein the identity of the calling
2 component corresponds to an identity obtained from a central directory service.

1 10. The computer data product according to claim 9, wherein the central directory service
2 communicates with the local computer over a communications network.

1 11. The computer data product according to claim 8, wherein the calling component is
2 located on a remote computing system.

1 12. The computer data product according to claim 11, wherein the calling component
2 transmits the request to activate a component to the local computing system across a
3 communications network.

1 13. The computer data product according to claim 12, wherein the communications
2 network is the Internet.

1 14. The computer data product according to claim 8, wherein the computer data product
2 comprises a computer-readable medium having stored thereon a data structure a set of
3 computer instructions.

1 15. The computer data product according to claim 8, wherein the computer data product
2 comprises a computer data signal embodied in a carrier wave readable by a computing
3 system and encoding a set of computer instructions.

1 16. A computing system for activating a requested processing component initiated
2 by a calling component within a local computing system having one or more applications, the
3 computing system comprising:

4 an activation control module for receiving a request to activate a component initiated
5 by a calling component and activating an instance of the requested component;

6 an application identity module for determining the identity of one or more
7 applications used to identify the requested processing component; and

8 a permit object activation module for determining whether an instance of the
9 requested component may be activated, the permit object activation module uses the value of
10 the public/private property to determine whether the request component may be activated.

1 17. The computing system according to claim 16, wherein the application identity module
2 obtains the identity of the calling component from a central directory service.

1 18. The computing system according to claim 17, wherein the permit object activation
2 module determines if the requested component is a public component using component
3 configuration data.

1 19. The computing system according to claim 17, wherein the permit object activation
2 module determines if the requested component is a public component using component
3 configuration data.

1 20. The computing system according to claim 18, wherein an instance of the request
2 component is activated when the requested component is a public component.

1 21. The computing system according to claim 19, wherein an instance of the requested
2 component is activated when the requested component is a private component only when the
3 calling component is a member of the same application in which the requested component is
4 a member.